

इंटरनेट

मानक

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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 3984 (2002): Textile - DW-Flour Bags [TXD 3: Jute and Jute Products]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक
वस्त्रादि — आटा भरने के लिए डबल
वार्प बोरे — विशिष्टि
(पहला पुनरीक्षण)

Indian Standard
TEXTILES — DW FLOUR BAGS —
SPECIFICATION
(*First Revision*)

ICS 5.080; 59.08.01

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Jute and Jute Products Sectional committee had been approved by the Textile Division Council.

This standard first published in 1967 has been revised to align with the similar Indian Standards on jute bags. Accordingly, changes have been made in the requirements of seam, hemming at the mouth provisions of joined bags, sampling and criteria for conformity.

The composition of the Committee responsible for formulation of this standard is given in Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

**AMENDMENT NO. 1 JULY 2004
TO
IS 3984 : 2002 TEXTILES — DW FLOUR BAGS —
SPECIFICATION**

(*First Revision*)

(*Page 1, clause 1*) — Substitute the following for the existing:

‘1 SCOPE

1.1 This standard prescribes the constructional details and other requirements of DW (double wrap) flour bags made of jute.

1.2 The bags specified in the standard shall not be manually handled after packing flour more than 50 kg’.

(TX 03)

Reprography Unit, BIS, New Delhi, India

Indian Standard

TEXTILES — DW FLOUR BAGS — SPECIFICATION

(*First Revision*)

1 SCOPE

This standard prescribes the constructional details and other requirements of DW (double warp) flour bags made of jute.

2 REFERENCES

The following Indian Standards contain provisions which through reference in this text, constitute provision of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
2873:1991	Textiles — Packaging of jute products in bales — Specification (<i>second revision</i>)
3966:1967	DW — Flour jute cloth
5476:1986	Glossary of terms relating to jute (<i>first revision</i>)
9113:1993	Textiles — Jute sacking — General requirements (<i>first revision</i>)

3 TERMINOLOGY

For the purpose of this standard, the definitions given in IS 5476 shall apply.

4 MANUFACTURE

4.1 Sacking

The bags shall be made from single piece of double warp, plain weave jute sacking of uniform construction conforming to IS 3966 with warp running along the length of the bag. The cloth shall be without stripes or shall have stripes as agreed to between the buyer and the seller, woven along the length of the bag.

4.2 Seam

The sides of the bags shall be sewn with overhead or herakles stitches on selvedge through two layers of sacking as specified in IS 9113. The number of stitches per 10 cm shall be 10 ± 1 .

4.3 Hemming at the Mouth

Provisions of IS 9113 shall apply.

4.4 Joined Bag

Provisions of IS 9113 shall apply.

4.5 Freedom from Defects

The bags should be generally free from weaving and sewing defects which effect the performance of the bag, such as missing picks, holes, cuts, tears, floats, crushed selvedges, spots, stains, gap stitches, loose ends and frayed ends.

5 SPECIFIC REQUIREMENTS

5.1 The bags shall conform to the requirements specified in Table 1.

5.2 The bales containing the bags shall conform to the requirements specified in Table 2.

5.3 The contract moisture regain shall be 20 percent.

6 PACKING

The bags shall be packed in bales as prescribed in IS 2873 or as specified in the agreement between the buyer and the seller.

7 MARKING

7.1 The bales shall be marked as prescribed in IS 2873. Additional markings shall be made as stipulated by the buyer or required by the regulation or law in force.

7.2 BIS Certification Marking

The bales may also be marked with the Standard Mark.

7.2.1 The use of the Standard Mark is governed by the provisions of *Bureau of Indian Standards Act, 1986* and the Rules and Regulations made thereunder. The details of conditions under which the licence for the use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

8 SAMPLING AND CRITERIA FOR CONFORMITY

The sampling procedure and criteria for conformity as specified in IS 9113 shall be followed.

Table 1 Particulars of Bags
(Clause 5.1)

Sl No.	Characteristic	Requirement	Tolerance	Method of Test, Ref to Cl No. of IS 9113
(1)	(2)	(3)	(4)	(5)
i)	Dimensions, cm (see Note):			
	a) Outside length	142	+4	8.3.2
	b) Outside width	71	0	
ii)	Corrected mass per bag, g	1 143	+10 -7.5 percent	8.5.2
iii)	Ends per dm	68	+4 -2	8.4.2
iv)	Picks per dm	31	+2 -1	
v)	Average breaking load of sacking, [ravelled strip method, 10 cm × 20 cm] Min, N (kgf):			8.6.2
	Warpway	1 570 (160)		
	Weftway	1 402 (143)		
vi)	Average breaking load of seam, [ravelled strip method, 10 cm × 20 cm] Min, N (kgf):	530 (54)		8.7
NOTE --- The buyer and the seller may agree to the dimensions other than those specified above. The tolerance of $\begin{smallmatrix} +4 \\ 0 \end{smallmatrix}$ cm shall apply on the dimensions. The mass of such bag may be calculated by the method given in 5.3 of IS 9113. However, a tolerance of $\begin{smallmatrix} +10 \\ -7.5 \end{smallmatrix}$ percent on the bag mass shall apply.				

Table 2 Requirements of Packed Bales
(Clause 5.2)

Sl No.	Characteristic	Requirement	Method of Test, Ref to Cl No. of IS 9113
(1)	(2)	(3)	(4)
i)	Total number of bags per bale (see Note)	300	8.9
ii)	Number of joined bags per bundle of 25 bags	1	do
iii)	Contract mass of a bale, kg	342.9	
iv)	Corrected net mass of a bale	Not less than the contract mass	8.1
v)	Moisture regain, percent, Max	22	8.2
vi)	Oil content on dry deoiled material basis, percent, Max	3.0	8.8
NOTE --- The number of bags per bale shall be 300 or as specified in an agreement between the buyer and the seller.			

ANNEX A**(Foreword)****COMMITTEE COMPOSITION****Jute and Jute Products Sectional Committee, TX 03**

<i>Organisation</i>	<i>Representative(s)</i>
Office of the Jute Commissioner, Kolkata	SHRI S. MAJUMDAR (<i>Chairman</i>)
Directorate General of Supplies & Disposals (Quality Assurance Wing), New Delhi	SHRI A. K. SEHGAL SHRI M. M. DUBEY (<i>Alternate</i>)
Eskaps (India) Pvt Ltd, Kolkata	SHRI SEKHAR GUHA SHRI ARABINDA KAR (<i>Alternate</i>)
Export Inspection Council of India, New Delhi	SHRI K. J. SRIVASTAVA SHRI K. P. RAHA (<i>Alternate</i>)
Food Corporation of India, New Delhi	SHRI S. B. SAROYA SHRI C. SHIVANNA (<i>Alternate</i>)
Indian Jute Industries' Research Association, Kolkata	DR K. JAYACHANDRAN DR D. SUR (<i>Alternate</i>)
Indian Jute Mills Association, Kolkata	CHAIRMAN SHRI H. N. GHOSH (<i>Alternate I</i>) SHRI V. K. SHARMA (<i>Alternate II</i>) SHRI ARIJIT MITRA (<i>Alternate III</i>)
Institute of Jute Technology, Kolkata	DR PRABIR RAY SHRI S. K. SETHI (<i>Alternate</i>)
Jute Manufacturers Development Council, Kolkata	SHRI D. K. SARKAR
National Institute of Research on Jute & Allied Fibres (NIRJAFI), Kolkata	DIRECTOR
National Jute Manufacturers Corporation Ltd, Kolkata	SHRI A. GHOSH SHRI K. K. BOSE (<i>Alternate</i>)
The Fertilizer Association of India, New Delhi	DR S. K. SAXENA
BIS Directorate General	SHRI M. S. VERMA, Director & Head (TX10) [Representing Director General (<i>Ex-Officio</i>)]
<i>Member-Secretary</i> SHRI M. S. VERMA Director and Head (Textiles)	

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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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